**TASK: Disaster Dilemma**

PROBLEM:

A major (8.5) earthquake occurred off the Washington coast. You are on the

emergency shelter team. Your job is to arrange supply boxes with one item

from each supply category. (One shelter, one bedding, and one lighting

possibility in each box.) You want to arrange every possible combination to

meet the different needs of the evacuees.

Supply categories:

*Shelter:* pup tent

family tent

*Bedding:* blankets

sleeping bag

*Lighting:* propane lantern

flashlight

candles

INSTRUCTIONS:

1. Show all of the possible combinations of supply boxes. You may solve the

problem any way you like. Show your work.

2. How many different combinations of supply boxes will you need to

arrange? Explain how you know that you have all of the possible

combinations using a tree diagram or words.